SAFETY DATA SHEET

MOLD-CLEAN

WOOD CLEANER AND SURFACE CONDITIONER

Health Emergencies: INFOTRAC® (800) 535-5053

1. PRODUCT AND COMPANY INFORMATION

Product Identity: Mold-Clean®

Recommended use of the chemical and restrictions on use:
Ready-to-use wood cleaner and surface conditioner.

Manufacturer: Nisus Corporation
100 Nisus Drive
Rockford, TN 37853

Telephone: Phone: (800) 264-0870
Fax: (865) 577-5825

Emergency Phone: 800-535-5053 (INFOTRAC)

SDS Date of Preparation: 01/12/16

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical	Health	Environment
Not Hazardous	Eye Damage Category 2A Skin Corrosion Category 3B Skin Sensitizer Category 3	Aquatic Chronic Category 2

GHS Label Elements:

Signal Word: Warning

Statements of Hazard
H316: Causes mild skin irritation.
H319: Causes serious eye irritation
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long-lasting effects.

Precautionary Statements
P280: Wash hands and any exposed skin thoroughly after handling.
P282: Wear eye protection/face protection such as safety glasses.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Non-Hazardous Ingredients	Proprietary	60-70%
Sodium Hypochlorite	7681-52-9	1-5%
Disodium Metasilicate	6834-92-0	<5%

The exact formulation is being withheld as a trade secret.

4. FIRST AID MEASURES

Eye: Immediately flush victim's eyes with large quantities of water for at least 15-20 minutes, while holding the eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get immediate medical attention.

Skin: Immediately wash skin thoroughly with soap and water for at least 15-20 minutes. Remove contaminated clothing. Get immediate medical attention. Launder clothing before re-use.
Ingestion: Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person. Get immediate medical attention.
Inhalation: Move victim to fresh air and keep at rest in a position that is comfortable. If breathing is difficult, administer oxygen or administer artificial respiration. Get immediate medical attention.

Most Important Symptoms: Causes eye damage and skin burns. May cause skin sensitization. Inhalation of mists or dust from dried product may cause severe mucous membrane and respiratory irritation.

Indication of immediate medical attention/special treatment: Immediate medical attention is required for eye contact, skin contact, inhalation, and ingestion. Call a poison center or doctor for further treatment advice. Have the product container or label with you when calling a poison center or doctor, or going for treatment. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use media appropriate for surrounding fire. Cool fire exposed containers and structures with water.
Specific Hazards Arising from the Chemical: A solid stream of water or foam directed into hot, burning liquids can cause frothing. Burning may produce oxygen gas, chlorine gas, hydrogen chloride, hypochlorous acid vapors and other toxic gases. Heat may cause product to decompose which may yield oxygen gas that will intensify fire conditions.
Special Protective Equipment and Precautions for Fire-Fighting Instructions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Contain all runoff.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Prevent contact with the eyes, skin and clothing. Do not breathe mists or dust from dried product. Wear appropriate protective clothing as described in Section 8. Keep product away from heat, flames, and other sources of ignition. Avoid releases to the environment.

Methods and Materials for Containment and Cleaning Up: Dike and contain spill. Dilute with a large volume of water and neutralize with sodium thiosulfate and dilute inorganic acid. Absorb with an inert absorbent and place in appropriate containers for disposal. Prevent spill from entering sewers and watercourses. Report releases as required by local, state and federal authorities. For dust from dried product, collect using a dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air. Do not sweep up. Flush spill area with water to remove residue. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent contact with the eyes, skin and clothing. Do not breathe mists or dust from dried product. Wear protective clothing and equipment as described in Section 8. Applicators, mixer and other handlers must wear chemical resistant gloves, protective eyewear, long-sleeved shirt, long pants, socks and shoes when handling or applying this product. When applying this product to non-pressure treated wood, blend/spray operators and any individual that applies the product with a brush/roller must wear an organic vapor respirator. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately and wash before reuse. Remove PPE immediately after handling. Wash thoroughly after using and change into clean clothing. Keep containers closed when not in use. Keep product away from heat, flames, and other sources of ignition.

Nonrefillable container. Do not reuse containers. Product residues in empty containers can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep out of reach of children and pets. Do not store in direct sunlight. Keep containers tightly closed. Protect from physical damage. Store away from reducing agents. Keep in locked storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Non-Hazardous Ingredients	None Established
Sodium Hypochlorite	2 mg/m^3 STEL AIHA WEEL
Disodium Metasilicate	None Established

Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.
Respiratory Protection: In operations where exposure levels are exceeded, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice. Refer to the product label for additional information.
Skin Protection: Wear impervious gloves such as rubber, nitrile, neoprene or PVC.
Eye Protection: Wear safety goggles and faceshield where splashing is possible.
Other: Wear long-sleeve shirts, long pants, socks and shoes when using this product. Suitable washing facilities should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Yellow-green liquid with a sweet, fresh scent
Physical State: Liquid **Odor Threshold:** Not determined
Vapor Density: Not determined
Initial Boiling Point/Range: 230°F (110°C)
Solubility In Water: Soluble **Vapor Pressure:** Not determined
Relative Density: 1.08 **Evaporation Rate:** 1
Melting/Freezing Point: Not determined **pH:** 10-12
Percent Volatile: >90 **Octanol/Water Coefficient:** Not determined
Solubility: Not determined
Decomposition Temperature: Not determined
Viscosity: Not determined **Flammability (solid, gas):** N/A
Flashpoint: None **Autoignition Temperature:** Not determined
Flammable Limits: LEL: Not determined **UEL:** Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.
Chemical Stability: Stable under normal storage and handling conditions. Unstable when heated or contaminated.
Possibility of Hazardous Reactions: Product may become unstable when heated or contaminated. Heat may cause product to decompose which may yield oxygen gas that will intensify fire conditions.
Conditions to Avoid: Keep away from heat, flames, and other sources of ignition.
Incompatible Materials: Avoid reducing agents, organic or combustible materials, ammonia, acids, metals (iron, tin, copper, nickel, etc.), heat and light sources.
Hazardous Decomposition Products: When heated to decomposition emits oxygen gas, chlorine gas, hydrogen chloride, hypochlorous acid vapors and other toxic gases.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:
Ingestion: Swallowing may cause burns to mucous membranes. Prolonged or repeated ingestion may cause anemia.
Inhalation: Inhalation of mist or dust from dried product causes severe irritation and burns of the nose, throat and upper respiratory tract.
Eye: Causes serious irritation and burns with redness, pain and tearing. May cause permanent eye damage.
Skin: Causes skin burns with redness and pain. May cause an allergic skin reaction (sensitization).
Chronic: Prolonged contact may damage eyes, blood, kidneys, central nervous system, and peripheral nervous system.
Sensitization: This material may cause sensitization.
Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.
Germ Cell Mutagenicity: Not expected to cause germ cell mutagenicity.
Reproductive Toxicity: Not expected to cause reproductive toxicity.

Numerical Measures of Toxicity:
Product Toxicity Data:
Oral rat LD_{50}: 10,825 mg/kg (calculated)

Component Toxicity Data:
Non-Hazardous Ingredients: No toxicity data available
Sodium Hypochlorite: Oral rat LD_{50}: 1100 mg/kg (as 12.5% Cl2), Inhalation rat LC_{50}: >10.5 mg/L/1 hr, Skin rabbit LD50: >20 g/kg
Disodium Metasilicate: Oral rat LD_{50}: 1152-1349 mg/kg, Inhalation rat LC50:>2.06 mg/L/4hr, Skin rat LD_{50}: >5000 mg/kg
Lemon Oil: Oral rat LD_{50}: 2840 mg/kg, Skin rabbit LD_{50}: >5000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Sodium Hypochlorite: 96 hr LC_{50} Coho salmon: 32-167 ug/L, 48 hr EC_{50} Daphnia magna: 141 ug/L (as chlorine) (M-Factor Acute: 10)
Disodium Metasilicate: 96 hr LC_{50} Zebra fish: 210 mg/L

This product is classified as very toxic to the aquatic environment and toxic to the aquatic environment with long-lasting effects. Releases to the environment should be avoided.

Persistence and Degradability: No data available for mixture. Product is expected to be persistent in the aquatic environment.
Bioaccumulative Potential: No data available for mixture
Mobility in Soil: Disodium Octaborate Tetrahydrate is soluble in water and is leachable through normal soil.
Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATION

Dispose in accordance with local, state and federal environmental regulations. The materials resulting from clean-up operations of a spill may be hazardous and, therefore, subject to specific regulations. Package, store, transport and dispose of all clean-up materials and any contaminated equipment in accordance with all applicable federal, state, and local regulations. Shipments of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of the waste and should be performed by competent and properly permitted contractors. Ensure that all responsible federal, state and local agencies receive proper notification of spill and disposal methods. Spills or releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

14. TRANSPORTATION INFORMATION

DOT Hazardous Materials Description:
Proper Shipping Name: Compounds, cleaning liquid
UN Number: NA1760
Hazard Class/Packing Group: 8, II
Labels Required: Corrosive

15. REGULATORY INFORMATION

CERCLA: This product has an RQ of 2,000 lbs (based on the RQ of Sodium Hypochlorite of 100 lbs present at 1-5%). Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA Hazard Category (311/312): Acute Health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are TSCA compliant.

16. OTHER INFORMATION

NFPA Rating: Health = 3 Flammability = 0 Instability = 0
HMIS Rating: Health = 3 Flammability = 0 Physical Hazard = 0

SDS Revision History: 03/3/15: New SDS
01/12/16: Revised

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